

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1–10 (Cancelled)

11. (Previously presented) A connector according to claim 21, comprising:
 - a plurality of + signal contacts;
 - a plurality of - signal contacts; and
 - a plurality of ground contacts, said contacts being arranged in a manner such that a set of each single one of said + signal contacts, each single one of said - signal contacts, and each single one of said ground contacts are located at three apexes of an isosceles triangle, respectively.
12. (original) The connector according to claim 11, wherein a plurality of said isosceles triangles are defined, bottom sides of said isosceles triangles being alternately arranged in a staggered fashion.
13. (original) The connector according to claim 11, said connector being for use in high-speed differential signal transmission according to the TMDS standard.
14. (original) The connector according to claim 11, wherein said + signal contacts, said - signal contacts, and said ground contacts are arranged at a predetermined pitch, a plurality of transmission cables being arranged utilizing spaces faced to said ground contacts, each of said transmission cables being connected to one of said + signal contact and said - signal contact.
15. (original) The connector according to claim 14, wherein said transmission cable is one of a twisted shield cable and a coaxial cable.

16. (original) The connector according to claim 11, further including a printed board on which said + signal contacts, said - signal contacts, and said ground contacts are arranged in a single array and surface-mounted.

17. (original) The connector according to claim 11, wherein said ground contact is arranged between said + signal contact and said - signal contact.

18. (original) The connector according to claim 12, further including a printed board provided with through-holes formed in three arrays at positions where said + signal contacts, said - signal contacts, and said ground contacts are mounted, said ground contacts being arranged in said through holes in the middle array.

19. (original) The connector according to claim 15, wherein said transmission cable is said twisted shield cable, said connector comprising an upper-array ground plate and a lower-array ground plate each of which is connected to a shield portion of said twisted shield cable, each of said upper-array and said lower-array ground plates having lead portions to be contacted with or soldered to said ground contacts, said upper-array and said lower-array ground plates being faced to each other, said lead portions being alternately arranged and connected to said ground contacts located at the apexes of said isosceles triangles.

20. (original) The connector according to claim 13, wherein said shield portion of said twisted shield cable is surrounded by said ground plate on left, right, and lower sides and by said shield plate on an upper side.

21. (currently amended) A connector having a first end for fitting to another connector and a second end for connecting to a board, comprising:
an insulator; and
plural contacts held by said insulator,

said contacts being arranged at said first end in two rows to make a staggered fashion between said two rows and arranged at said second end in three rows to make a staggered fashion between adjacent ones of said three rows,

said contacts comprising plural signal contacts and plural ground contacts,

each of said ground contacts having a single contact portion at said first end,

said first end having plural contact sets in each of which two of said signal contacts and said single contact portion of one of said ground contacts are located at three apexes of an isosceles triangle at said first end, respectively,

said signal contacts being arrayed on each of outer ones of said three rows at said second end,

said ground contacts being arrayed on a middle one of said three rows at said second end,

two of said signal contacts on one of said outer ones of the three rows and one of said ground contacts on said middle one of the three rows making one of said contact sets and being located at three apexes of an isosceles triangle at said second end, respectively.